

W0. Introduction

W0.1

(W0.1) Give a general description of and introduction to your organization.

Trane Technologies plc is a \$14.136b global climate innovator. We bring efficient and sustainable climate solutions to buildings, homes and transportation driven by strategic brands Trane® and Thermo King® and an environmentally responsible portfolio of products and services. Prior to the separation of our Industrial segment on February 29, 2020, we announced a new organizational model and business segment structure designed to enhance our regional go-to-market capabilities, aligning the structure with our strategy and increased focus on climate innovation. Under the revised structure, we created three new regional operating segments from the former climate segment, which also serve as our reportable segments.

- Our Americas segment innovates for customers in the North America and Latin America regions. The Americas segment encompasses commercial heating and cooling systems, building controls, and energy services and solutions; residential heating and cooling; and transport refrigeration systems and solutions.
- Our EMEA segment innovates for customers in the Europe, Middle East and Africa region. The EMEA segment encompasses heating and cooling systems, services and solutions for commercial buildings, and transport refrigeration systems and solutions.
- Our Asia Pacific segment innovates for customers throughout the Asia Pacific region and India. The Asia Pacific segment encompasses heating and cooling systems, services and solutions for commercial buildings and transport refrigeration systems and solutions.

We generate revenue and cash primarily through the design, manufacture, sale and service of a diverse portfolio of market-leading brands, including Thermo King® and Trane® • We have approximately 36,000 employees and manufacturing and assembly operations in 34 plants globally: 23 plants in United States; 8 plants in Europe and the Middle East; 3 plants in Asia. Trane Technologies also maintains offices, warehouses and repair centers throughout the world. Trane Technologies plc is headquartered in Dublin, Ireland with executive offices in Davidson, North Carolina, USA.

Since 2009, we have focused on long-term sustainability goals to advance our environmental performance. In 2019 we announced our 2030 commitments which include:

Our Gigaton Challenge is aimed at reducing customer carbon emissions by one billion metric tons. This will require reducing emissions from products and services by 48% by 2030, which has been validated by the Science Based Targets initiative (SBTi). The Gigaton Challenge will be accomplished by:

- Accelerating clean technologies that heat and cool buildings in sustainable ways
- Increasing energy efficiency in buildings, homes, and transport environments
- Reducing food loss in the global cold chain
- Transitioning out of high-global warming potential refrigerants by 2030 (ahead of regulation)
- Designing systems for circularity
- Increasing access to cooling and fresh food

Our leading Leading by Example commitment is our operational goals with include:

- Achieving carbon neutral operations
- Delivering zero waste to landfills
- Becoming net positive with water use
- Reducing absolute energy consumption by 10%, compared to the 2019 baseline

Our Opportunity for All is Trane Technologies' initiative to achieve workforce diversity reflective of its communities and create pathways to green and STEM careers. We will:

- Achieve workforce diversity reflective of our communities
- Achieve gender parity (50% women) in leadership roles
- Maintain world-class safety metrics
- Provide market-competitive wages, benefits, and leading wellness offerings for workforce
- Invest \$100 million in building sustainable futures for under-represented students
- Dedicate 500,000 employee volunteer hours in our communities

Each year since 2008 we (as Trane Inc.) have responded affirmatively to the Carbon Disclosure Project Investor Questionnaire. In 2020, we were honored to be recognized by a variety of highly esteemed organizations. Most notably: • Listed on the 2020 Dow Jones Sustainability World Index and North America Index • listed as a constituent of the FTSE4Good Index Series .

W0.2

(W0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date
Reporting year	January 1 2021	December 31 2021

W0.3

(W0.3) Select the countries/areas in which you operate.

Brazil
Canada
China
Czechia
France
Germany
Ireland
Italy
Mexico
Puerto Rico
Saudi Arabia
Spain
Thailand
United Kingdom of Great Britain and Northern Ireland
United States of America

W0.4

(W0.4) Select the currency used for all financial information disclosed throughout your response.

USD

W0.5

(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.

Companies, entities or groups over which financial control is exercised

W0.6

(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?

No

W0.7

(W0.7) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, an ISIN code	IE00BK9ZQ967
Yes, a Ticker symbol	TT

W1. Current state

W1.1

(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Important	Important	Direct use: The primary need for fresh water is to support non-contact processes in manufacturing operations and for potable use (sanitary and drinking water) at our facilities. Approximately 93 percent of water used occurs in North American. Of this water, only 3% is withdrawn from North American subregions considered to be water stressed. Trane Technologies sees that current and future water needs for direct use are secure. Indirect use: Our products do not use large quantities of water. The limited water required is usually to replace what is lost in a closed loop and can be grey water. Freshwater is important to our supply chain in as much as it impacts our ability to operate and therefore supply product. Trane Technologies does not foresee a change in our water requirements and dependencies, neither direct nor indirect, because of the similarities between our processes and our Suppliers.
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Neutral	Our products do not use large quantities of water. The limited water required is usually to replace what is lost in a closed loop and can be grey water. Trane Technologies does not foresee a change in our water requirements and dependencies, neither direct nor indirect, because of the similarities between our processes and our Suppliers.

W1.2

(W1.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

	% of sites/facilities/operations	Please explain
Water withdrawals – total volumes	100%	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. We track monthly water usage at the facility level using our environmental data reporting platform (Benchmark ESGTM). We have annual targets to reduce water use at our sites, and a 2030 goal to become "Net Positive" for water use at our water stressed locales. Water withdrawal volumes are obtained from flow meters for the site-specific source/supplier with reports provided either daily or monthly.
Water withdrawals – volumes by source	100%	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. We track monthly water usage at the facility level using our environmental data reporting platform (Benchmark ESGTM). We have annual targets to reduce water use at our sites, and a 2030 goal to become "Net Positive" for water use at our water stressed locales. Water withdrawal volumes are obtained from flow meters for the site-specific source/supplier with reports provided either daily or monthly.
Entrained water associated with your metals & mining sector activities - total volumes [only metals and mining sector]	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>
Water withdrawals quality	Not relevant	Trane Technologies facilities comply with all applicable federal, state, provisional, and local water quality regulations and permits/licenses regarding water withdrawals and wastewater discharges. Water Withdrawals Quality is not relevant for Trane Technologies, and we do not expect this water aspect to be relevant in the future, given routine water withdrawals are received from local water suppliers who manage and treat community water provided to all customers to potable water quality standards per local regulations. As such Trane Technologies does not routinely monitor the quality of incoming water. Trane Technologies maintains awareness of potential impacts to the quality of locally supplied water and will consider monitoring of incoming water quality if water quality is at risk due to global climate change or other factors.
Water discharges – total volumes	100%	Trane Technologies considers water quality for both intake and discharge an important issue at all of our sites. Our manufacturing facilities track their water discharges. We consolidate/report internal water usage and discharges at the facility level on a monthly basis using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. We take aggressive action when approaching a discharge limit to adjust systems to avoid an exceedance. We set an internal limit to be below 50% of our permit level at our facilities globally. Our process discharge waters are first internally treated and then discharged onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water discharges – volumes by destination	100%	Trane Technologies considers water quality for both intake and discharge an important issue at all of our sites. Our manufacturing facilities track their water discharges. We consolidate/report internal water usage and discharges at the facility level on a monthly basis using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. We take aggressive action when approaching a discharge limit to adjust systems to avoid an exceedance. We set an internal limit to be below 50% of our permit level at our facilities globally. Our process discharge waters are first internally treated and then discharged onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water discharges – volumes by treatment method	100%	Trane Technologies considers water quality for both intake and discharge an important issue at all of our sites. Our manufacturing facilities track their water discharges. We consolidate/report internal water usage and discharges at the facility level on a monthly basis using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. We take aggressive action when approaching a discharge limit to adjust systems to avoid an exceedance. We set an internal limit to be below 50% of our permit level at our facilities globally. Our process discharge waters are first internally treated and then discharged onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water discharge quality – by standard effluent parameters	100%	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. We track our water use at the facility level on a monthly basis using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. Trane Technologies utilizes external laboratory and promulgated reference sampling/analytical methods to determine the composition of regulated constituents and overall quality of effluents. We take aggressive action when approaching a discharge limit to adjust systems to avoid an exceedance. We set an internal limit to be below 50% of our permit level at our facilities globally. Our process discharge waters are first internally treated and then discharged onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water discharge quality – temperature	Not relevant	The business operations that involve water do not affect temperature of the water. Water Discharge Quality - Temperature is not relevant for Trane Technologies given our process wastewater and sanitary/gray waters are released at ambient conditions. Therefore, this water aspect is not currently relevant and we do not expect it to be relevant in the future unless we change our business operations.
Water consumption – total volume	100%	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. We track our water use at the facility level on a monthly basis using our environmental data management platform (Benchmark ESGTM). Water consumption values are obtained from flow meters for the site-specific source/supplier with reports provided either daily or monthly. We have annual targets to reduce water use at all of our sites, and a 2030 goal to become "Net Positive" for water use at our water stressed locales.
Water recycled/reused	Not relevant	Because Trane Technologies has limited processes in place for closed loop/water re-use systems, Water Recycled/Reused is not currently relevant, but could become relevant in the future should out processes which use water re-use systems were to increase. Trane Technologies does monitoring the quality of the circulated water for the few operating systems including reverse osmosis and rain water harvesting We are studying options to increase usage of closed loop systems in our operations as part of our 2030 Net Positive water use goal.
The provision of fully-functioning, safely managed WASH services to all workers	76-99	Creating and sustaining a safety-focused, zero-incident culture is a top priority for everyone at Trane Technologies. This commitment starts with our CEO and permeates the entire organization. In responding to this year's employee engagement survey, 93% of employees stated they believe Trane Technologies is committed to employee safety. Fully functioning WASH services are part of our standard operating procedures which include an annual effectiveness assessment to confirm WASH services meet company requirements. WASH processes are assessed for each company location by the local staff. The WASH reviews are included as part of the annual water management system effectiveness assessment required per internal company procedures.

W1.2b

(W1.2b) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, and how do these volumes compare to the previous reporting year?

	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Total withdrawals	2901.66	Higher	Approximately 75% of water withdrawn is used for non-contact manufacturing purposes. Such water is withdrawn and return to the water authorities free of contamination from Trane Technologies business activities. The 2021 water withdrawals is higher by 4% compared to 2020. However, 2020 business operations were at a lower rate due to the global COVID pandemic. When comparing 2021 water withdrawals against 2019, Trane Technologies water withdrawals is down by 1%. Trane Technologies commits to a 2030 goal to become "Net Positive" for water use at our water stressed sites.
Total discharges	2901.66	Higher	Trane Technologies discharged 7% of total water withdrawn (209 megaliters) as pre-treated process wastewater with this effluent directed to third-party/ community wastewater treatment facilities. The balance of the discharged water (~2,700 megaliters) is non-contact water with a small portion discharged as sanitary wastewater directed to community wastewater treatment facilities. The slightly higher 2021 water discharges follow the slightly higher water withdrawals, compared to the 2020 global COVID pandemic year. We are evaluating closed-loop water systems to further reduce discharges. The use of closed-loop water systems are predicted to decrease our annual discharge volume by up to 10 percent.
Total consumption	0	About the same	Trane Technologies' sites in general return the water received from local suppliers. Our consumption is based on a company-wide calculation of withdrawals minus discharges. Our operations are not significant water consumers and do not generally experience any material evaporative or other water losses. Our total consumption will decrease in the future between 5 and 10 percent based on the reduction in water withdrawn in stressed water regions combined with the implementation of closed-loop process water systems.

W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress and provide the proportion.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Identification tool	Please explain
Row 1	Yes	1-10	Higher	WRI Aqueduct	<p>Since 2011, Trane Technologies has utilized the WRI Aqueduct Water Risk Atlas to identify sites located in areas considered to be water stressed. The Water Risk Atlas incorporates various data sets for the stressed locales definition including the key Aqueduct Global Maps 3.0 data updated August 6, 2019.</p> <p>Trane Technologies completes an annual review of water stressed locations using the Water Risk Atlas. We use the latitudes and longitudes Risk Atlas Upload Template that includes coordinates for our water usage reporting sites.</p> <p>Trane Technologies defines sites as water stressed for any location with a score of 3.0 or higher for Weighted Aggregation Quantity, Weighted Aggregation Quality, Reputational Risk, and the Overall Water Risk.</p> <p>The % of water withdrawals at stressed locations vs total withdrawals is 3% higher for 2021 vs 2020. This performance is skewed due to the unusual water withdrawal patterns for the 2020 COVID pandemic year.</p> <p>The % of water withdrawals at stressed locales vs total water withdrawn is down by 17% for 2021 vs 2019.</p>

W1.2h

(W1.2h) Provide total water withdrawal data by source.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant	<Not Applicable>	<Not Applicable>	Our Monterrey, Mexico manufacturing site began capturing rainwater for onsite use. Monterrey's total water usage accounts for less than 1 percent of total company water withdrawals.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	Trane Technologies does not withdraw seawater or brackish surface water.
Groundwater – renewable	Not relevant	<Not Applicable>	<Not Applicable>	A small number of Trane Technologies locations have onsite wells to serve as a backup water supply. Water is not routinely drawn from these wells. On a worse case basis, water from these wells would account to less than 1 percent of our total water withdrawals.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	A small number of Trane Technologies locations have an onsite wells to serve as a backup water supply. Water is not routinely drawn from these wells. On a worse case basis, water from these wells would account to less than 1 percent of our total water withdrawals.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	This water source is not applicable to Trane Technologies operations.
Third party sources	Relevant	2901.66	Higher	Trane Technologies is predominately supplied water from municipal suppliers. The withdrawal volumes are defined using onsite flow meters or from water suppliers' invoices. Total water withdrawals is higher for 2021 vs 2020. (4% increase). This performance is skewed due to the unusual water withdrawal patterns for the 2020 COVID pandemic year. The water withdrawals for 2021 vs 2019 is 1% lower. Trane Technologies commits to a 2030 goal to become "Net Positive" for water use at our water stressed sites.

W1.2i

(W1.2i) Provide total water discharge data by destination.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water	Not relevant	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not directly discharged to surface water bodies.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not discharged to surface water bodies.
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not discharged to groundwater.
Third-party destinations	Relevant	2901.66	Higher	This is relevant because water withdrawn by Trane Technologies is returned to local municipal water suppliers. When comparing to the 2020 COVID pandemic year, our water discharged increased in 2021 by 4%. Our 2021 discharge compared to 2019 is down by 1%.

W1.2j

(W1.2j) Within your direct operations, indicate the highest level(s) to which you treat your discharge.

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant	181.11	Higher	21-30	A number of Trane Technologies' manufacturing locations phosphatize metal substrates prior to surface coating. Process wastewater is collected and treated using multi-stage operations to remove solids, metals, and other regulated parameters. The treatment standards are defined by a combination of federal and local regulatory standards. The pre-treated water is discharged to the community wastewater treatment system.
Secondary treatment	Relevant	27.52	About the same	21-30	Trane Technologies also utilizes pre-treatment systems to remove organics or other general solids to meet regulatory standards. These permitted units discharge the treated water onto the community wastewater treatment systems.
Primary treatment only	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Trane Technologies also treats plant wastewater using simple oil/water type systems prior to the water release to the community wastewater treatment system. In 2021, Trane Technologies discharged 0.4 megaliters of wastewater with primary treatment. This pretreatment is completed to meet general discharge standards under local/city ordinances.
Discharge to the natural environment without treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Trane Technologies does not discharge water to the natural environment without treatment.
Discharge to a third party without treatment	Relevant	2692.98	Higher	31-40	Only a small portion of water used by Trane Technologies requires treatment with regard to regulatory standards. During 2021, 93% of water withdrawn is used for non-industrial purposes and is discharged to a third party without treatment.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We have no other form of treatment

W1.3

(W1.3) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue	Total water withdrawal volume (megaliters)	Total water withdrawal efficiency	Anticipated forward trend
Row 1	1413640000	2901.66	4871831.9858288	Trane Technologies is expecting a significant improvement beginning in 2022 for our water withdrawal efficiency. A key closed loop project is underway that will reduce the full year total water by over 200 million gallons.

W1.4

(W1.4) Do you engage with your value chain on water-related issues?

Yes, our suppliers

W1.4a

(W1.4a) What proportion of suppliers do you request to report on their water use, risks and/or management information and what proportion of your procurement spend does this represent?

Row 1

% of suppliers by number

1-25

% of total procurement spend

51-75

Rationale for this coverage

For 2021, 90% of our Preferred Supplier Base was in-scope for this request. Our Preferred Supplier Program is a key initiative to identify and engage world-class suppliers. This program is for our most strategic partners and provides them with growth opportunities while helping us build a supply base that aligns with our core values. We incentive suppliers to report on their water usage as Preferred Suppliers have to meet several criteria in order to keep their status, one of which is to report on requested sustainability metrics annually.

Impact of the engagement and measures of success

We believe the reduction of water usage through our supplier engagement as it demonstrates that the supplier is committed to our Supplier Sustainability Expectations which requires annual reporting of energy, waste, water and carbon data including usage and progression of goals. In order to be a Preferred Supplier, a supplier must report on these metrics. Preferred suppliers receive have more opportunity to grow their business with Trane and we believe that long-term value partners must demonstrate their commitment to reducing their climate impact. We set a threshold of at least a 1% y-o-y increase in the % of procurement spend covered by this engagement, we achieved a 1.5% increase in the % of spend in 2021 (from 50.5% coverage in 2020 to 52% coverage in 2021) so we we consider this a success.

Comment

W1.4b

(W1.4b) Provide details of any other water-related supplier engagement activity.

Type of engagement

Onboarding & compliance

Details of engagement

Requirement to adhere to our code of conduct regarding water stewardship and management

% of suppliers by number

76-100

% of total procurement spend

76-100

Rationale for the coverage of your engagement

All suppliers must meet the requirements outlined in our Business Partner Code of Conduct and Supplier Sustainability Expectations, specifically suppliers must have an effective environmental policy, conduct their operations in a way that protects the environment, have programs to address resource consumption; specifically a water conservation program which includes a water usage monitoring plan and objectives and targets for reducing the water intensity of their operations. This is important to Trane Technologies because we have a goal to be net-positive in water stressed areas by 2030 and find it important for our supply chain to be committed to water stewardship as well.

Impact of the engagement and measures of success

We believe by having these requirements standard in our Terms & Conditions that apply to our entire supply base we are reaching over 25,000 suppliers with our requirements. We believe a measurement of success is to continue to have suppliers agree to our requirements.

Comment

W2. Business impacts

W2.1

(W2.1) Has your organization experienced any detrimental water-related impacts?

No

W2.2

(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

No

W3. Procedures

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?

Yes, water-related risks are assessed

W3.3a

(W3.3a) Select the options that best describe your procedures for identifying and assessing water-related risks.

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Water risks are assessed as a standalone issue

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Tools on the market

Tools and methods used

WRI Aqueduct

Contextual issues considered

Water availability at a basin/catchment level

Water quality at a basin/catchment level

Stakeholder conflicts concerning water resources at a basin/catchment level

Water regulatory frameworks

Status of ecosystems and habitats

Access to fully-functioning, safely managed WASH services for all employees

Stakeholders considered

Customers

Employees

Investors

Local communities

Regulators

Water utilities at a local level

Comment

Water-related risks are assessed utilizing the WRI Aqueduct Water Risk Mapping Tool to identify areas potential at risk based on water necessary for business operations. Our focus has been on those determined to "water stressed" based on the WRI attributes with a score of 3 or higher for Weighted Aggregation Quantity, Weighted Aggregation Quality, Reputational Risk, and the Overall Water Risk. The company reviews the stressed locations risks every year.

Our water management practices and risk assessment considers the structure and framework under local water protection regulations applicable to Trane Technologies business practices. These overlying obligations combined with the local aquifers/water supplies defined with the Aqueduct tool assessment focuses Trane Technologies' efforts to achieve net water positive for our operations in water stressed regions. Our key stakeholders are the local communities, shareholders/investors, and our employees. Given our product offers do not require signification water to operate, our customers benefit from use of Trane Technologies products to minimize local water usage.

Value chain stage

Supply chain

Coverage

Full

Risk assessment procedure

Water risks are assessed as part of other company-wide risk assessment system

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Databases

Other

Tools and methods used

Internal company methods

Contextual issues considered

Implications of water on your key commodities/raw materials

Stakeholders considered

Suppliers

Comment

For our value chain assessment, our focus is on suppliers. Our supplier onsite assessment requires our suppliers to identify whether or not their facility is located in an area of medium high or greater water stress. Our procurement engineers have the ability to flag risk areas associated with water availability in our supply chain through the onsite assessment. We also request preferred suppliers to disclose their water usage on an annual basis via our data collection platform.

W3.3b

(W3.3b) Describe your organization’s process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.

Trane Technologies annually conducts a risk assessment through the WRI Aqueduct tool and WBCSD tool for all the plant locations and identified the facilities with potential water related risk in the next ten years. Our focus has been on those determined to “waste stressed” based on the WRI attributes with a score of 3 or higher for Weighted Aggregation Quantity, Weighted Aggregation Quality, Reputational Risk, and the Overall Water Risk. The company reviews the stressed locations risks every year. We have also conducted life cycle assessments of our products to identify the amount of water embodied into each product. We also monitor and record our water consumption and discharge across all our facilities using our EHS system Benchmark ESG TM. Our supplier onsite assessment requires our suppliers to identify whether or not their facility is located in an area of medium high or greater water stress. Our procurement engineers have the ability to flag risk areas associated with water availability in our supply chain through the onsite assessment. Our key stakeholders are the local communities, shareholders/investors, and our employees. Given our product offers do not require significant water to operate, our customers benefit from use of Trane Technologies products to minimize local water usage.

W4. Risks and opportunities

W4.1

(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?

No

W4.1a

(W4.1a) How does your organization define substantive financial or strategic impact on your business?

Trane Technologies defines substantive strategic impact where a company operation or a key upstream supplier experiences temporary or permanent interruption of local water supplies adversely impacting our ability to manufacture and service company products. Fresh quality water is important to our operations; however, Trane Technologies business operations are not water intensive and we have a relatively low overall water risk. Our site-specific emergency management plans address basic business continuity issues (i.e., loss of utilities). We continue to implement measures to reduce water usage across all our operations including setting standards for water management and training. The objectives of the trainings are to review annual goals, review water supply management requirements, help sites understand the cost of water, and review best practices to be used at our sites to reduce water usage. In 2021, Trane Technologies reduced water consumption at stressed locales by 20% compared to our 2019. We also achieved our overall 2021 water use reduction goal by delivering a 1.4% reduction versus 2019. Trane Technologies has established a new water management goal to become "Net Positive" for water use at our water stressed sites by 2030.

W4.2b

(W4.2b) Why does your organization not consider itself exposed to water risks in its direct operations with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	Trane Technologies processes and products are not water intensive. For example, our products are heavy users of energy sources and refrigerants therefore we have dedicated risk mitigation focused on that, but majority of our products do not require water to operate. Water is necessary for staff consumption as well as used for parts washing and product testing at some of our manufacturing operations. All Trane Technologies manufacturing sites are required to implement an Environmental Health and Safety Management System (EMS) and identify their aspects and impacts of their operations. The impact of our operations on water quantity and quality is one potential impact that is evaluated during this process. Water quantity and quality concerns are managed on an individual facility basis through the use of the site’s EMS.

W4.2c

(W4.2c) Why does your organization not consider itself exposed to water risks in its value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	While risks are present, recent interactions with suppliers suggest the water risks do not present a significant likelihood of an adverse impact on their operations. We requested suppliers to disclose if they were located in water-stressed regions and found that a vast majority of our supply base is not. In most cases, Trane Technologies’ preferred suppliers have developed and implemented sustainability programs that include aspects for water supplies and quality necessary for their business needs.

W4.3

(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?

No

W4.3b

(W4.3b) Why does your organization not consider itself to have water-related opportunities?

	Primary reason	Please explain
Row 1	Opportunities exist, but none with potential to have a substantive financial or strategic impact on business	Trane Technologies' products and processes are not water intensive. We evaluate water use in the design of our products as part of our phase gate new product development process. Cost of water is less than 1% of total operating costs, where as energy is about 30% of our operating cost. Trane Technologies developed a program for Design for Sustainability in partnership with UL Environment, a credible, science-focused, third-party health, and sustainability standards development and testing organization. The program creates foundational knowledge and skills we to apply sustainability principles in the Trane Technologies Product Development Process. We manage all new products or redesigns of existing products under our Product Development Program. This program includes an assessment of the all aspects of sustainability (energy, carbon, waste, water, life cycle, etc.) and involves a stage gate and assessment for product approval. While water consumption requirements for product manufacturing and customer usage are assessed, water is not a material attribute of our products and their development.

W6. Governance

W6.1

(W6.1) Does your organization have a water policy?

Yes, we have a documented water policy that is publicly available

W6.1a

(W6.1a) Select the options that best describe the scope and content of your water policy.

	Scope	Content	Please explain
Row 1	Company-wide	Description of business dependency on water Description of business impact on water Description of water-related performance standards for direct operations Company water targets and goals Commitments beyond regulatory compliance Acknowledgement of the human right to water and sanitation	Water conservation is a key element of our commitment to sound environmental management practices to meet employee, local communities, and shareholder expectations as reflected in Trane Technologies' EHS Policy issued by our Chief Executive Officer. Our EHS Policy includes water considerations given our general dependency of clean water for staff consumption and business activities. While we do not believe our business activities impact local water supplies since we are not a water intensive industry, we include water conservation and protections in our EHS Policy with our commitment to be a truly responsible global corporate citizen. All our facilities under financial control are required to record and monitor their consumption and discharge through our EHS system. Measures are taken at facility level for reduction in water consumption.

W6.2

(W6.2) Is there board level oversight of water-related issues within your organization?

Yes

W6.2a

(W6.2a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for water-related issues.

Position of individual	Please explain
Director on board	The complete Board of Directors, including the Chair and CEO, approved Trane Technologies' sustainability commitments, monitors progress, and has overall responsibility for ensuring the commitments are met. We have a 2030 net positive water commitment against 2019 which includes annual targets. Progress on sustainability commitments is reported on publicly at least annually. In 2020, the CEO and board approved our 2030 net positive water commitment and monitors progress towards that goal. Sustainability, including water reduction commitments, are a formal responsibility of our Board of Directors' Sustainability, Corporate Governance and Nominating Committee and the Enterprise Leadership Team. The Committee, on behalf of the Board, sets the strategic direction for Trane Technologies' sustainability approach. The committee meets at least annually to evaluate the company's sustainability performance and is informed regularly by the company's EVP and Chief Technology and Sustainability Officer (CTO). The CTO has the role of providing these and other updates to this Committee on a regular basis.

W6.2b

(W6.2b) Provide further details on the board’s oversight of water-related issues.

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	Monitoring implementation and performance Reviewing and guiding business plans Reviewing and guiding strategy	The EVP and Chief Technology and Sustainability Officer (CTO) are responsible for the company’s guiding corporate strategy including the cascade of all enterprise metrics and decisions related to acquisitions and divestitures. The Sustainability, Corporate Governance and Nominating committee of the Board of Directors meets twice per year to evaluate the company’s sustainability (water included) performance and is informed regularly by the company’s EVP and Chief Technology and Chief Sustainability Officer. Sustainability strategy is reviewed on a regular basis at the board level as part of our strategy development and reporting of progress. - Performance against water goals is measured reviewed annually by the Committee

W6.2d

(W6.2d) Does your organization have at least one board member with competence on water-related issues?

	Board member(s) have competence on water-related issues	Criteria used to assess competence of board member(s) on water-related issues	Primary reason for no board-level competence on water-related issues	Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future
Row 1	Yes	The Sustainability, Corporate Governance and Nominating Committee or our Board considers the skills, expertise and background of our board members and potential board members and looks for skills, expertise and background that complement the existing Board and ensures that its members are of sufficiently diverse and independent backgrounds recognizing that the Company’s businesses and operations are diverse and global in nature. Our annual skills matrix is disclosed in our proxy statement that assesses ESG / Sustainability as one of those skills and note the multiple directors who have that background / knowledge in sustainability as well as other skills and experience. For example, Dr. Jared Cohen, who served as Carnegie Mellon University’s (CMU) former president and professor of Civil and Environmental Engineering & Engineering and Public Policy, has been a devoted catalyst for CMU’s sustainability research, has been on our board for a number of years and also leads our board committee on Technology & Innovation.	<Not Applicable>	<Not Applicable>

W6.3

(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).

Name of the position(s) and/or committee(s)

Other C-Suite Officer, please specify (Chief Technology and Sustainability Officer)

Responsibility

- Assessing future trends in water demand
- Assessing water-related risks and opportunities
- Managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

Annually

Please explain

The EVP and Chief Technology and Sustainability Officer leads Trane Technologies’ enterprise sustainability work and serves on various boards and advisory councils: our External Sustainability Advisory Council, an advisory group comprised of global thought leaders in infrastructure, energy policy and technology. Accountability for best practices is governed by our Internal Sustainability Strategy Council, of which our CTO is the executive sponsor.

W6.4

(W6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	Organization cascades goals from CEO’s office, including all environmental and social sustainability goals. Key metrics are factored into leadership performance. Our strategic business unit leaders each have operational water use reduction goals year over year that align with achieving our 2030 sustainability target of “net positive water” in our operations. We have developed annual and mid-term target anchors for achieving this goal.

W6.4a

(W6.4a) What incentives are provided to C-suite employees or board members for the management of water-related issues (do not include the names of individuals)?

	Role(s) entitled to incentive	Performance indicator	Please explain
Monetary reward	No one is entitled to these incentives	<Not Applicable>	Annual bonus is dependent on ESG factors such as emissions and social metrics. Water reduction efforts are not yet included in bonus incentives.
Non-monetary reward	Corporate executive team Chief Executive Officer (CEO) Chief Financial Officer (CFO) Chief Operating Officer (COO) Chief Purchasing Officer (CPO) Chief Risk Officer (CRO) Chief Sustainability Officer (CSO) Other, please specify (Business Leadership Teams)	Reduction in consumption volumes Other, please specify (Progress against annual target)	Key metrics are factored into leadership performance. Our strategic business unit leaders each have operational water use reduction goals year over year that align with achieving our 2030 sustainability target of "net positive water" in our operations.

W6.5

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?

No

W6.6

(W6.6) Did your organization include information about its response to water-related risks in its most recent mainstream financial report?

Yes (you may attach the report - this is optional)

W7. Business strategy

W7.1

(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	5-10	Water related goals are included in our materiality assessment and monitored quarterly. Trane Technology conducts a full materiality assessment every 5 years. Recent assessments conclude the water availability in regions classified as water stressed is material for Trane Technologies and our stakeholders. Because of this, we have made a public commitment to be net-positive water in water stressed regions and will carry out water-reduction and stewardship projects as a part of our business objectives through 2030. Our oversight process of our business operations requires that we monitor, report, and responsibly manage our water usage to track our progress to meet company and stakeholder expectations. Trane Technologies committed to achieve "Net Water Positive" by 2030 for our business operations in stressed locales. Work is underway to develop regional partnerships, identify and implement water reductions projects for our direct operations, and to realize localized projects that will deliver water program benefits for the watersheds associated with these communities.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	Water related goals are included in our materiality assessment and monitored quarterly. We have a company wide policy for the management of water to realize efficient water use for our direct operations. Recent assessments conclude the water availability in regions classified as water stressed is material for Trane Technologies and our stakeholders. Our oversight process of our business operations requires that we monitor, report, and responsibly manage our water usage to track our progress to meet company and stakeholder expectations. Trane Technologies committed to achieve "Net Water Positive" by 2030 for our business operations in stressed locales. Work is underway to develop regional partnerships, identify and implement water reductions projects for our direct operations, and to realize localized projects that will deliver water program benefits for the watersheds associated with these communities.
Financial planning	Yes, water-related issues are integrated	5-10	Standard expenses for water management (supply and treatment) are included in our business operating costs, which feed our financial forecasts each year. Investments for water projects, specifically at water stressed sites, are considered during the annual planning process. The annual capital approval process requires development of a project specific business case to assess capital requirements, return on investment, sustainability improvements, and other elements. The capital approval process is used for current and future water related projects on our journey to Net Water Positive for our operations in waster stressed regions.

W7.2

(W7.2) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?

Row 1

Water-related CAPEX (+/- % change)

20

Anticipated forward trend for CAPEX (+/- % change)

5

Water-related OPEX (+/- % change)

2

Anticipated forward trend for OPEX (+/- % change)

-5

Please explain

Trane Technologies has invested in replacement and enhanced process wastewater pre-treatment systems at key locations. The company has also enhanced wastewater discharge monitoring and testing systems. We expect similar increases for the next reporting period. For the longer term, our operating expenses related to water management system is expected to decrease as we reduce water usage at our operations in water stressed regions. Furthermore, Trane Technologies is implementing in 2022 a major closed-loop water project that will reduce annual water withdrawals by 200 million gallons. In addition, Trane Technologies is assessing additional projects for rainwater capture and reuse as well as other closed loop process water systems.

W7.3

(W7.3) Does your organization use scenario analysis to inform its business strategy?

	Use of scenario analysis	Comment
Row 1	Yes	We utilize the World Resource Institute (WRI) Aqueduct (TM) tool to identify and designate sites that score medium-high or high for water stress over a medium to long term frame . We track monthly water use through the Benchmark ESG/Gensuite™ EHS management system and use the WaterWatch™ tool to execute water risk management. We consider physical risk quality and quantity, as well as regulatory and reputational risk. Some of our manufacturing sites are considered to be in areas of medium-high to high water stress. For these sites we have instituted a net positive water commitment by 2030. In addition, we have enterprise water management policies for Water supply management, Storm water management and Wastewater discharge management. Planning for an extreme weather event, and other crises, is consistent with our core corporate values.

W7.3a

(W7.3a) Provide details of the scenario analysis, what water-related outcomes were identified, and how they have influenced your organization's business strategy.

	Type of scenario analysis used	Parameters, assumptions, analytical choices	Description of possible water-related outcomes	Influence on business strategy
Row 1	Water-related	We used the World Resource Institute (WRI) Aqueduct (TM) tool to identify and designate sites that score medium-high or high for water stress over a medium to long term frame .	We consider physical risk quality and quantity, as well as regulatory and reputational risk. Some of our manufacturing sites are considered to be in areas of medium-high to high water stress.	For sites of medium-high water stress we have implemented a 2030 goal for those sites to be net-positive water and have implemented annual reduction targets.

W7.4

(W7.4) Does your company use an internal price on water?

Row 1

Does your company use an internal price on water?

No, but we are currently exploring water valuation practices

Please explain

As of our journey to Net Water Positive for business operations in water stressed regions, Trane Technologies is evaluating if an internal water price/tax will benefit our water management programs.

W7.5

(W7.5) Do you classify any of your current products and/or services as low water impact?

	Products and/or services classified as low water impact	Definition used to classify low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	Yes		<Not Applicable>	We are currently undergoing EPDs for specific product lines which will provide more insight on the quantification of water impact.

W8. Targets

W8.1

(W8.1) Describe your approach to setting and monitoring water-related targets and/or goals.

	Levels for targets and/or goals	Monitoring at corporate level	Approach to setting and monitoring targets and/or goals
Row 1	Company-wide targets and goals Business level specific targets and/or goals Site/facility specific targets and/or goals	Targets are monitored at the corporate level Goals are monitored at the corporate level	Trane Technologies has a water management strategy to manage water risk across all our facilities lying in water Stressed and non-stressed areas. Since 2015, Trane Technologies has had an annual water goal at water stressed areas to reduce to total water use as absolute by 2 percent compared to the previous year. In 2014, we established a 2020 goal to reduce water used at stressed locales by 25% compared to a 2013 baseline. At the end of 2019 we reduced water use for facilities located in stressed regions by 38% compared to 2013. Trane Technologies has established a new water management goal to become "Net Positive" for water use at our water stressed sites by 2030. This goal is supplement by our 2020 target to reduce internal absolute water use reduction goal of 2% for all manufacturing locations in water stressed areas and to reduce water use by 5% for all locations. Trane Technologies reduced water consumption at stressed locales by 20% for 2021 versus 2019. We also achieved our overall 2020 water use reduction goal by delivering a 1.4% reduction versus 2019. Our long-term goal was established by benchmarking with other comparable manufacturing companies combined with an assessment of water use risk profile utilizing the WRI Aqueduct Water Risk Atlas. Going forward, We set annual water reduction targets across each Strategic Business Unit with localized targets assigned based on the opportunities and risks with specific business operations.

W8.1a

(W8.1a) Provide details of your water targets that are monitored at the corporate level, and the progress made.

Target reference number

Target 1

Category of target

Water withdrawals

Level

Site/facility

Primary motivation

Risk mitigation

Description of target

Trane Technologies has a water management strategy to manage water risk across all our facilities located in water stressed and non-stressed areas. Since 2015, we have had an annual water goal at water stressed areas to reduce to total water use as absolute by 2 percent compared to the previous year. In 2014, we established a 2020 goal to reduce water used at stressed locales by 25% compared to a 2013 baseline. At the end of 2019 we reduced water use for facilities located in stressed regions by 39% compared to 2013. We have set a new goal to operate "net positive" for water usage at stressed locations by 2030. In 2021, we have reduced water consumption at stressed locales by 20% versus 2019. We also achieved our overall 2021 water use reduction goal by delivering a 1.4% reduction versus 2019.

Quantitative metric

% reduction in total water withdrawals

Baseline year

2019

Start year

2020

Target year

2030

% of target achieved

20

Please explain

At the end of 2021 we reduced water use for facilities located in stressed regions by 20% compared to 2019.

W8.1b

(W8.1b) Provide details of your water goal(s) that are monitored at the corporate level and the progress made.

Goal

Other, please specify (Water withdrawals)

Level

Company-wide

Motivation

Risk mitigation

Description of goal

Operate "net positive" for water usage at stressed locations by 2030. We also monitor and record our water consumption and discharge across all our facilities using our EHS system Benchmark ESG TM. Trane's focus is on our business operations located in areas considered to be "water stressed" based on the high risk/extremely high risk classifications within WRI's Aqueduct Water Risk Tool. We are working to define "Net Positive" with the underlying concept for water supplies/watersheds to receive more water than Trane uses in business operations in these locales. Trane may also explore opportunities for virtual water trading and credits programs. As we start this journey for our new set of 2030 sustainability goals, Trane is finalizing our net water positive definitions, framework and mechanics.

We are also a member of the Alliance of Water Stewardship and continue to work with our peer companies and non-governmental organizations (NGOs) to develop solutions that will restore and improve water conditions in water-stressed areas so millions of people will maintain access to safe drinking water.

Baseline year

2019

Start year

2020

End year

2030

Progress

Trane Technologies reduced water consumption at stressed locales by 20% for 2021 versus 2019. We also achieved our overall 2021 water use reduction goal by delivering a 1.4% reduction versus 2019. The return water concept may involve a combination of direct reductions in Trane water usage and clean water returns combined with local projects to improve community water supplies and quality. Performance indicators include site/business/company once-use water consumption at operations in water stressed locations and volume of water related to beneficial projects associated with availability increased/volume returned/protected/quality improved for local/regional/company totals at stressed water locations. Success is defined as the volume of water for beneficial projects is higher than the volume of once use water at stressed water locations.

W9. Verification

W9.1

(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?

Yes

W9.1a

(W9.1a) Which data points within your CDP disclosure have been verified, and which standards were used?

Disclosure module	Data verified	Verification standard	Please explain
W1 Current state	Company wide water use	Other, please specify (ISO 14064-3, ISAE 3000, & ISAE 3410.)	Water use verified annually by a third-party, external consultant.

W10. Sign off

W-FI

(W-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

W10.1

(W10.1) Provide details for the person that has signed off (approved) your CDP water response.

	Job title	Corresponding job category
Row 1	Chair and CEO	Board chair

W10.2

(W10.2) Please indicate whether your organization agrees for CDP to transfer your publicly disclosed data on your impact and risk response strategies to the CEO Water Mandate's Water Action Hub [applies only to W2.1a (response to impacts), W4.2 and W4.2a (response to risks)].

No

SW. Supply chain module

SW0.1

(SW0.1) What is your organization's annual revenue for the reporting period?

	Annual revenue
Row 1	14.13

SW1.1

(SW1.1) Could any of your facilities reported in W5.1 have an impact on a requesting CDP supply chain member?

No facilities were reported in W5.1

SW1.2

(SW1.2) Are you able to provide geolocation data for your facilities?

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	No, not currently but we intend to provide it within the next two years	

SW2.1

(SW2.1) Please propose any mutually beneficial water-related projects you could collaborate on with specific CDP supply chain members.

SW2.2

(SW2.2) Have any water projects been implemented due to CDP supply chain member engagement?

No

SW3.1

(SW3.1) Provide any available water intensity values for your organization's products or services.

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please confirm below

I have read and accept the applicable Terms